



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Yale Ogron Windows & Doors
671 West 18th Street
Hialeah, FL 33010

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "1400" Aluminum Casement Window

APPROVAL DOCUMENT: Drawing No. **W02-107**, titled "Series-1400 Aluminum Casement Window", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, dated 10/30/02, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



NOA No 02-1107.03
Expiration Date: January 23, 2008
Approval Date: January 23, 2003
Page 1

Yale Ogron Windows & Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W02-107**, titled "Series-1400 Aluminum Casement Window", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, dated 10/30/02, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC,TAS 202-94 along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Fenestration Testing Laboratory, Test Report No. FTL 01165 dated 2/15/02, signed and sealed by Luis Antonio Figueredo, P.E.
2. Test reports on 1)Air Infiltration Test, per FBC, TAS 202-94
2)Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3)Water Resistance Test, per FBC, TAS 202-94
4)Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Fenestration Testing Laboratory, Test Report No. FTL 01166 dated 2/11/02, signed and sealed by Luis Antonio Figueredo, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Al Farooq Corporation dated 10/30/02, signed and sealed by Yiping Wang, P.E.

D. MATERIAL CERTIFICATIONS

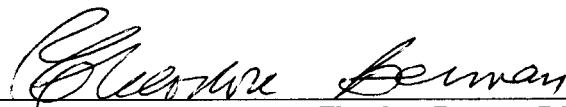
1. None

E. STATEMENTS

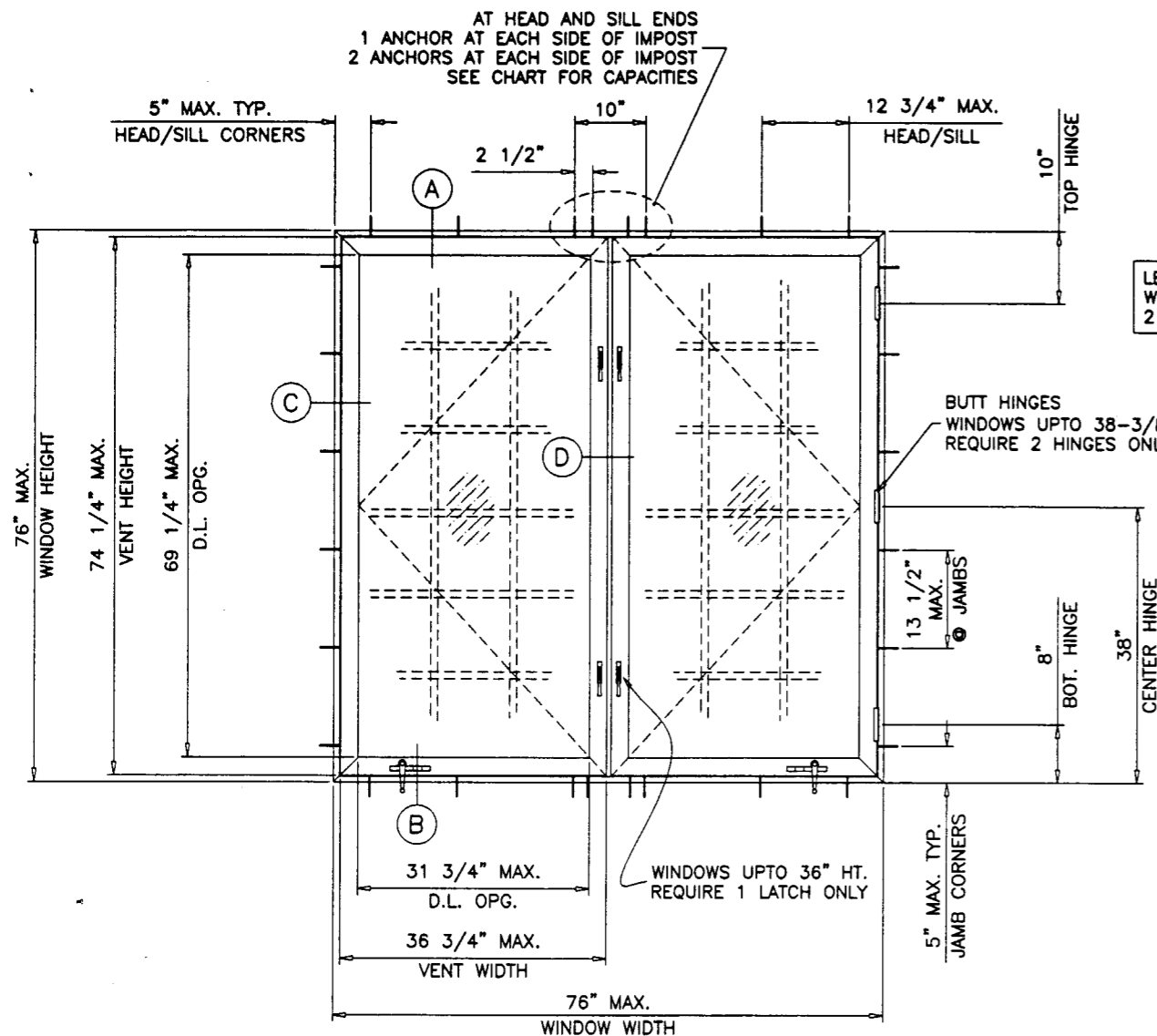
1. Statement letter of no financial interest, dated 10/30/02, signed and sealed by Humayoun Farooq, P.E.
2. Laboratory compliance letter for Test Report no. FTL 01165 and FTL 01166, issued by Fenestration Testing Laboratory, Inc., dated 3/1/02, signed and sealed by Luis Antonio Figueredo, P.E.

F. OTHER

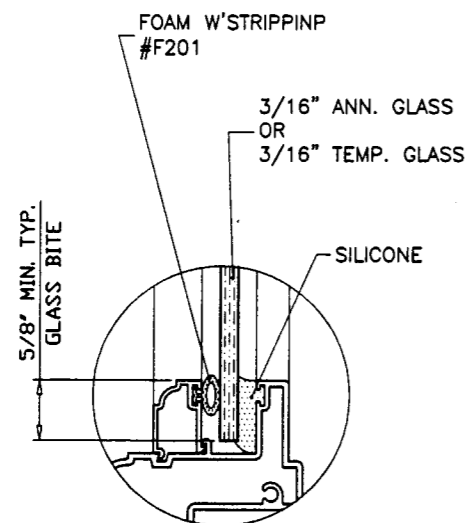
1. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).



Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 02-1107.03
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TYPICAL ELEVATION



GLAZING DETAIL

LEAFS MAY BE FITTED WITH BUT HINGES OR 2 BAR TRUTH HINGES.

BUTT HINGES
WINDOWS UPTO 38-3/8\"/>

WINDOWS UPTO 36\"/>

SERIES-1400 ALUMINUM CASEMENT WINDOW

WINDOWS NOT RATED FOR IMPACT AND REQUIRE PROTECTION BY MIAMI-DADE COUNTY APPROVED SHUTTERS.

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE VENT (X) WINDOWS OR DUAL VENT (XX) WINDOWS USING INTEGRAL IMPOST.

ALSO TO SIDE BY SIDE COMBINATIONS OF CASEMENT/CASEMENT OR WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE.
ALSO FOR WIND LOADS AS PER ASCE 7-88, ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING BUILDING CODE.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

Approved as complying with the
Florida Building Code
Date: 01/23/03
NOAH 02-1102.03
Miami Dade Product Control
Division
By: *Glenn Berman*

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 04 2002

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES-1400 ALUMINUM CASEMENT WINDOW

YALE OGRON MFG. CO. INC.

671 WEST 18TH ST.
HIALEAH, FL. 33010-2480

TEL. (305) 887-2646 FAX (305) 883-1309

revisions:
no date by description

date: 10-30-02

scale: 1/2" = 1"

dr. by: HAMID

chk. by:

drawing no.
W02-107

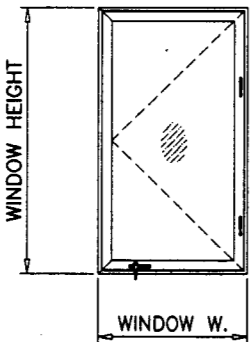
sheet 1 of 5

COMP-ANL\W02-107Y0

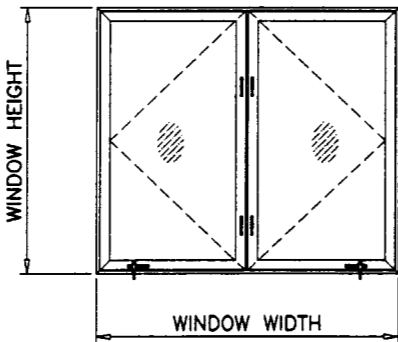
DESIGN LOAD CAPACITY - PSF FOR (X) SIZES						
WINDOW DIMS.		N	3/16" ANN. GLASS		3/16" TEMP. GLASS	
WIDTH	HEIGHT		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	3	60.0	125.0	60.0	210.0
26-1/2"		3	60.0	125.0	60.0	161.0
37"		3	60.0	113.5	60.0	161.0
19-1/8"	38-3/8"	4	60.0	125.0	60.0	197.8
26-1/2"		4	60.0	107.2	60.0	142.7
37"		4	60.0	74.1	60.0	102.2
19-1/8"	50-5/8"	5	60.0	112.8	60.0	182.5
26-1/2"		5	60.0	80.1	60.0	131.7
37"		5	X	X	60.0	94.3
19-1/8"	63"	5	60.0	87.8	60.0	146.7
26-1/2"		5	X	X	60.0	105.8
37"		5	X	X	60.0	75.8
19-1/8"	74-1/4"	6	53.1	53.1	60.0	119.2
26-1/2"		6	X	X	60.0	87.8
37"		6	X	X	60.0	64.3
19-1/8"	76"	6	49.5	49.5	60.0	112.0
26-1/2"		6	X	X	60.0	82.7
37"		6	X	X	60.0	62.2

N = NO. OF ANCHORS PER JAMB

DESIGN LOAD CAPACITY - PSF FOR (XX) SIZES										
WINDOW DIMS.		N	1 ANCHOR AT EACH SIDE OF IMPOST				2 ANCHORS AT EACH SIDE OF IMPOST			
			3/16" ANN. GLASS		3/16" TEMP. GLASS		3/16" ANN. GLASS		3/16" TEMP. GLASS	
WIDTH	HEIGHT		EXT. (+)	1NT. (-)	EXT. (+)	1NT. (-)	EXT. (+)	1NT. (-)	EXT. (+)	1NT. (-)
26-1/2"	26"	3	60.0	125.0	60.0	210.0	60.0	125.0	60.0	210.0
37"		3	60.0	125.0	60.0	210.0	60.0	125.0	60.0	210.0
48"		3	60.0	125.0	60.0	174.5	60.0	125.0	60.0	174.5
53-1/8"		3	60.0	125.0	60.0	161.0	60.0	125.0	60.0	161.0
74"		3	60.0	110.2	60.0	161.0	60.0	110.2	60.0	161.0
76"		3	60.0	107.3	60.0	161.0	60.0	107.3	60.0	161.0
26-1/2"	38-3/8"	4	60.0	125.0	60.0	172.5	60.0	125.0	60.0	210.0
37"		4	60.0	125.0	60.0	134.7	60.0	125.0	60.0	204.5
48"		4	60.0	114.7	60.0	114.7	60.0	115.1	60.0	157.6
53-1/8"		4	60.0	102.2	60.0	108.9	60.0	102.2	60.0	142.4
74"		4	60.0	72.5	60.0	98.7	60.0	72.5	60.0	102.2
76"		4	60.0	70.6	60.0	98.6	60.0	70.6	60.0	99.5
26-1/2"	50-5/8"	5	60.0	124.5	60.0	124.5	60.0	125.0	60.0	210.0
37"		5	60.0	94.8	60.0	94.8	60.0	113.2	60.0	185.0
48"		5	60.0	78.3	60.0	78.3	60.0	87.3	60.0	142.6
53-1/8"		5	60.0	73.2	60.0	73.2	60.0	75.6	60.0	128.9
74"		5	X	X	60.0	61.1	X	X	60.0	92.5
76"		5	X	X	60.0	60.4	X	X	60.0	90.1
26-1/2"	63"	5	60.0	97.2	60.0	97.2	60.0	121.3	60.0	194.3
37"		5	60.0	73.0	60.0	73.0	60.0	88.3	60.0	146.0
48"		5	59.3	59.3	59.3	59.3	60.0	69.7	60.0	114.6
53-1/8"		5	X	X	55.0	55.0	X	X	60.0	103.5
74"		5	X	X	44.1	44.1	X	X	60.0	74.3
76"		5	X	X	43.4	43.4	X	X	60.0	72.4
26-1/2"	74-1/4"	6	60.0	73.7	60.0	81.0	60.0	73.7	60.0	162.0
37"		6	53.4	53.4	60.0	60.4	53.4	53.4	60.0	120.7
48"		6	X	X	48.6	48.6	X	X	60.0	94.7
53-1/8"		6	X	X	44.8	44.8	X	X	60.0	86.2
74"		6	X	X	35.2	35.2	X	X	60.0	63.1
76"		6	X	X	34.6	34.6	X	X	60.0	61.4
26-1/2"	76"	6	60.0	68.7	60.0	79.0	60.0	68.7	60.0	157.2
37"		6	49.8	49.8	58.8	58.8	49.8	49.8	60.0	113.8
48"		6	X	X	47.3	47.3	X	X	60.0	89.2
53-1/8"		6	X	X	43.6	43.6	X	X	60.0	81.3
74"		6	X	X	34.1	34.1	X	X	60.0	61.3
76"		6	X	X	33.5	33.5	X	X	60.0	60.0



X



XX

APPROVED CONFIGURATIONS

Approved as complying with the
Florida Building Code
Date 01/23/03
NOA# 02-1103.03
Miami Dade Product Control
Division
By Glenn Berman

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
NOV 04 2002

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W02-107YO

SERIES-1400 ALUMINUM CASEMENT WINDOW

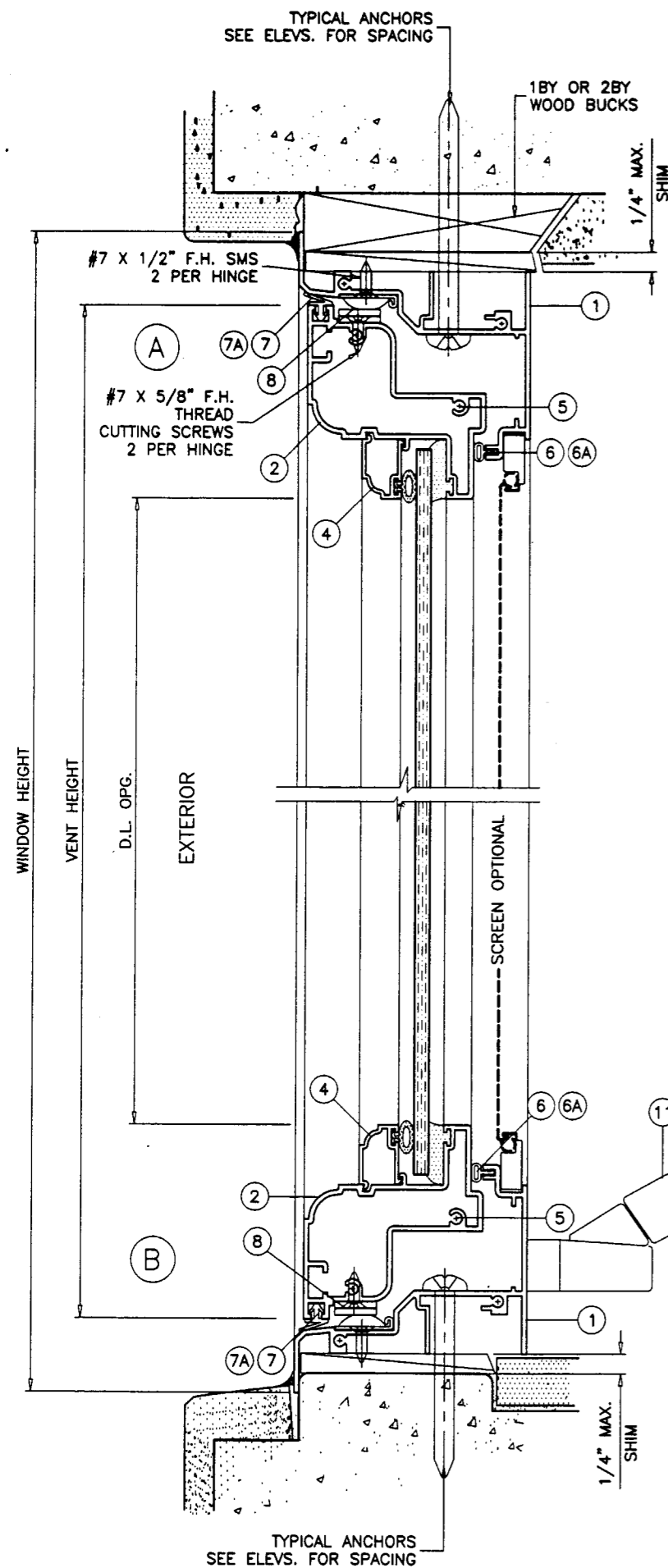
YALE OGRON MFG. CO. INC.
671 WEST 18TH ST.
HIALEAH, FL. 33010-2480
TEL (305) 887-2646 FAX (305) 883-1309

revisions:

no	date	by	description

date: 10-30-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-107
sheet 2 of 5



TYPICAL ANCHORS
SEE ELEVS. FOR SPACING

METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)
STEEL : $F_y = 36$ KSI MIN.
ALUMINUM : 6063-T5 MIN.

2 BAR TRUTH HINGES
ALTERNATE TO BUTT HINGES

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

1BY OR 2BY
WOOD BUCK

WOOD BUCKS NOT BY YALE OGRON, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" TAPCONS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
1-1/4" MIN. EMBED INTO MASONRY OR CONC.

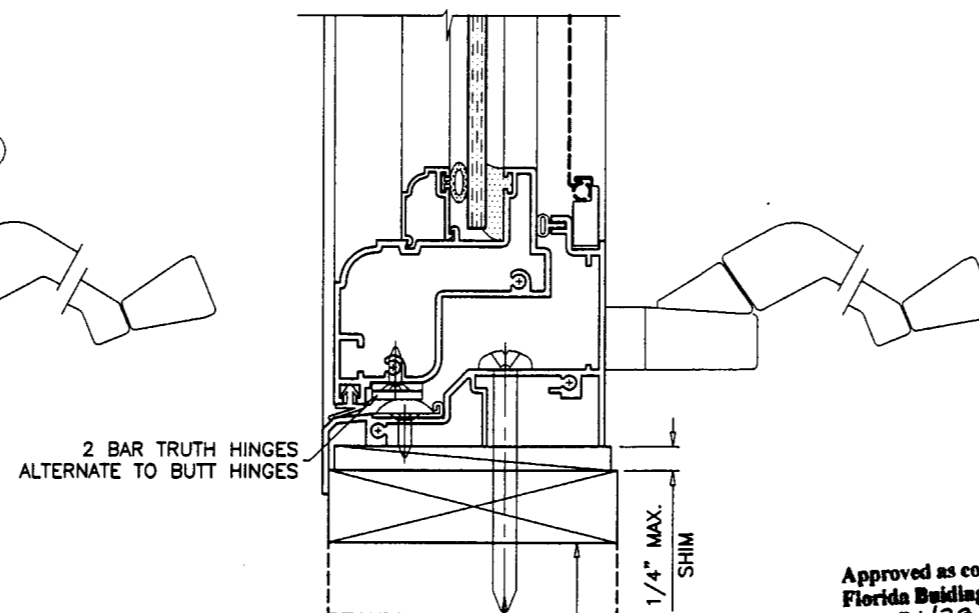
DIRECTLY INTO MASONRY OR CONC.
1-1/4" MIN. EMBED INTO MASONRY OR CONC.

#14 SMS OR 1/4" SELF DRILLING SCREWS

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)
OR ALUMINUM MULLIONS (HOLDING A VALID NOA.)

SEALANTS:

ALL FRAME AND VENT CORNERS, PERIMETER OF
HINGES, LOCKS AND OPERATORS SEALED WITH SEALANT.



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Florida Building Code
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Miami Code Product Control
Division
By Quedon Berman

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557

~~7 NOV 04 2002~~

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COMP-ANL\W02-107Y0

SERIES-1400 ALUMINUM CASEMENT WINDOW

YALE OGRON MFG. CO. INC.

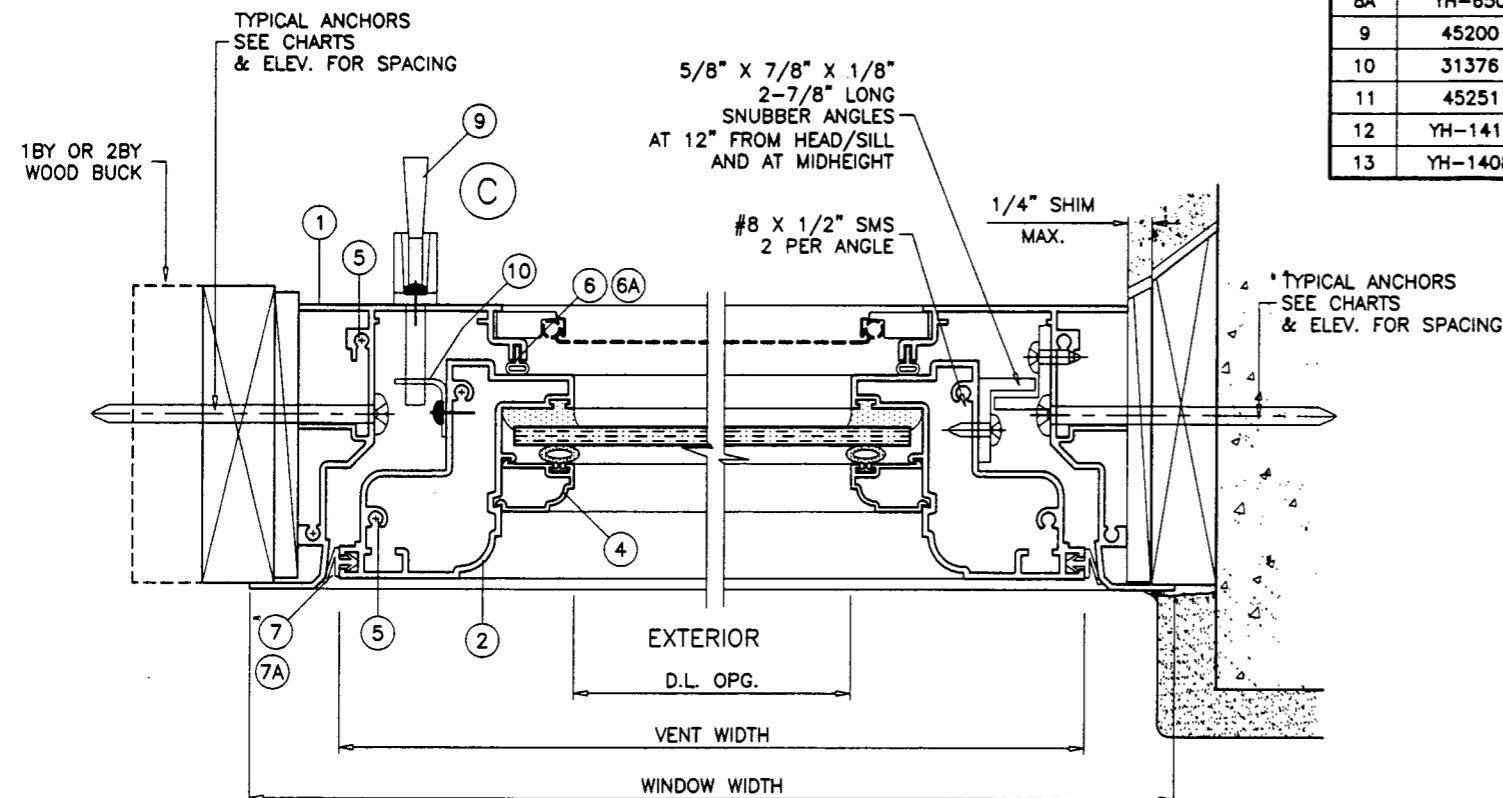
671 WEST 18TH ST.
HIALEAH, FL. 33010-2480

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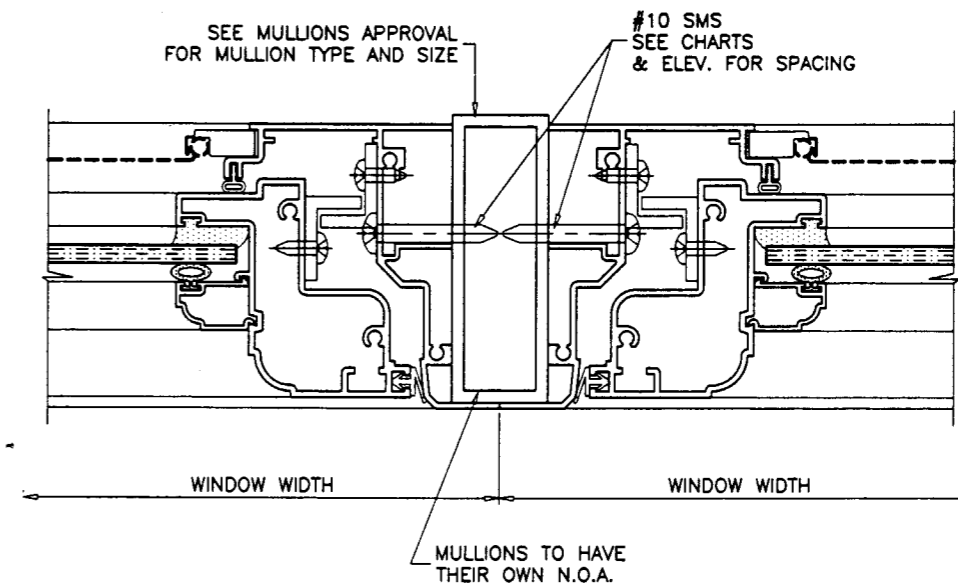
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dr. by: HAMID		
chk. by:		

drawing no.
W02-107
sheet 3 of 5

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	YE-1401	4	FRAME	6063-T6	-
2	YE-1402	4	VENT	6063-T6	-
3	YE-1404	1	CENTER POST	6063-T6	-
4	YE-1403	AS REQD.	GLAZING BEAD	6063-T6	-
5	#8 X 1"	AS REQD.	FRAME AND VENT ASSEMBLY SCREWS	-	-
6	E143	AS REQD.	BULB WEATHERSTRIPPING	VINYL	ULTRAFAB
6A	F101	AS REQD.	BULB WEATHERSTRIPPING	VINYL	ULTRAFAB
7	YH-920	AS REQD.	LEAF WEATHERSTRIPPING	VINYL	SULLIVAN & SULLIVAN
7A	E701	AS REQD.	DOUBLE LEAF WEATHERSTRIPPING	VINYL	ULTRAFAB
8	31858/31862	2/ VENT	2 BAR HINGE, AT TOP AND BOTTOM	STEEL	TRUTH
8A	YH-650	3/ VENT	BUTT HINGES (ALT. TO BAR HINGES)	-	ATTACHED W/ (6) #10 X 1/2" FH SCREWS
9	45200	2/ VENT	FACE MOUNT LOCK	STEEL	TRUTH, AT 18" FROM BOT. & 17" FROM TOP
10	31376	2/ VENT	LOCK KEEPER, AT FRAME JAMB FACING LOCK	STEEL	YALE, AT 18" FROM BOT. & 17" FROM TOP
11	45251	1/ VENT	ROTO OPERATOR	STEEL	TRUTH, AT 8" FROM ENDS
12	YH-1411	1/ CORNER	FRAME CORNER KEY	-	YALE (7/8" X 2" X 1/8" X 2" LONG)
13	YH-1408	1/ CORNER	VENT CORNER KEY	-	DECO



SINGLE VENT WINDOWS



DUAL VENT WINDOWS

Approved as complying with the
Florida Building Code
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NOA# 02-1107.03
Miami Dade Product Control
Division
By Glenn Berman

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
NOV 04 2002

afC

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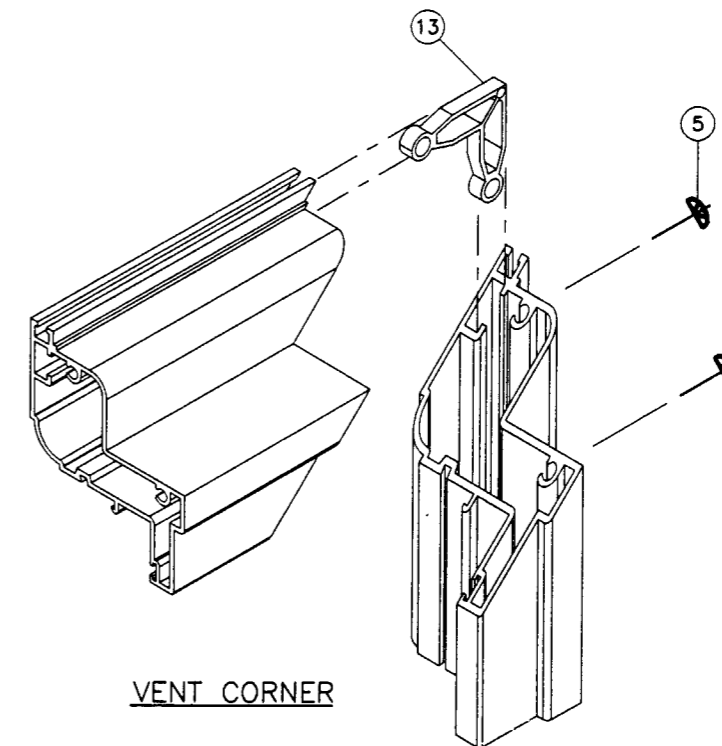
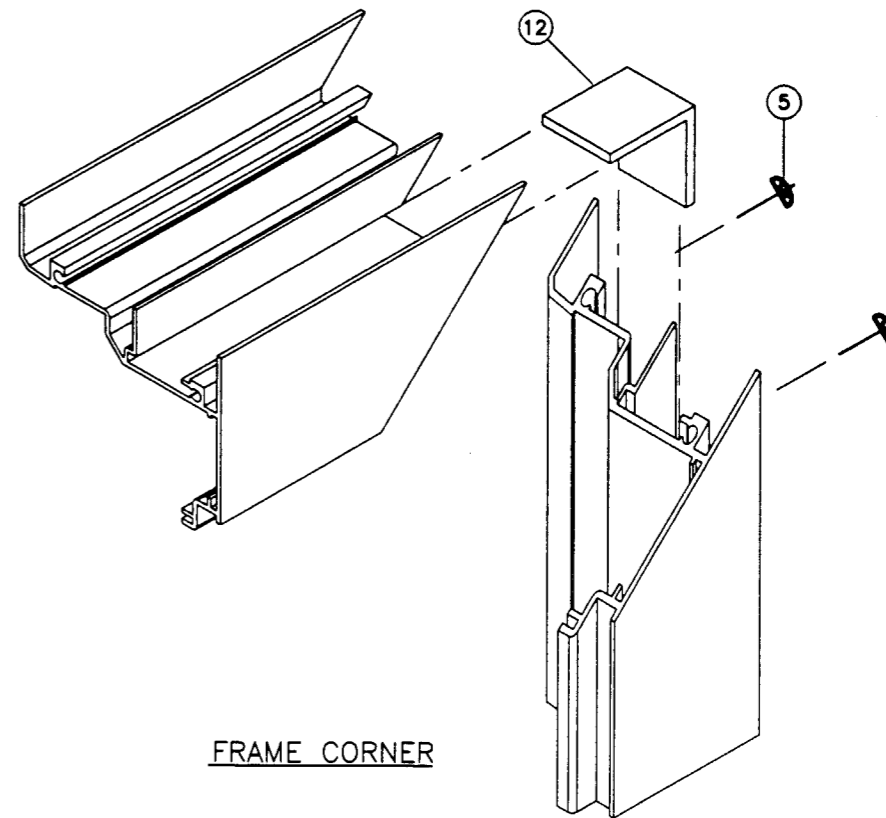
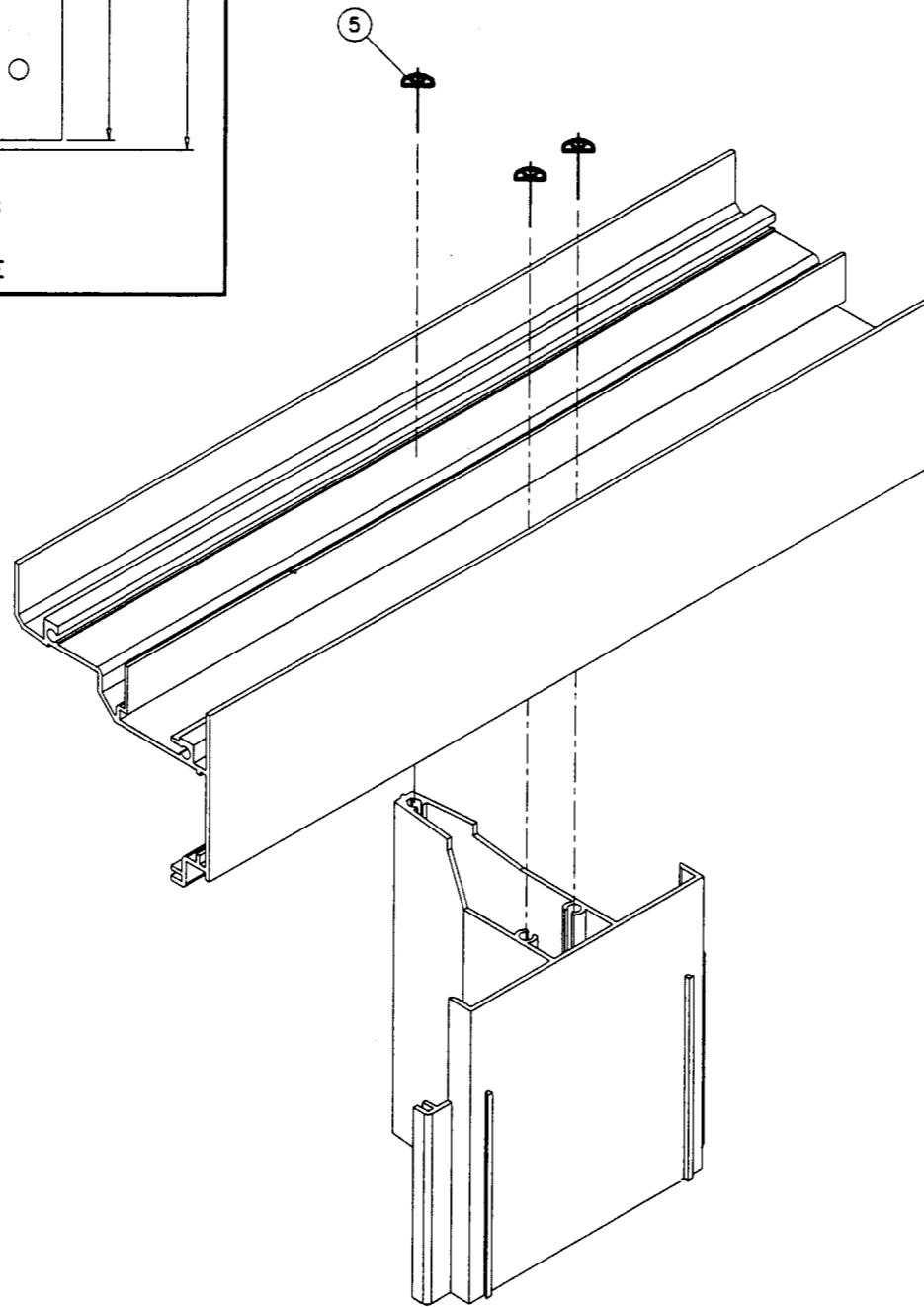
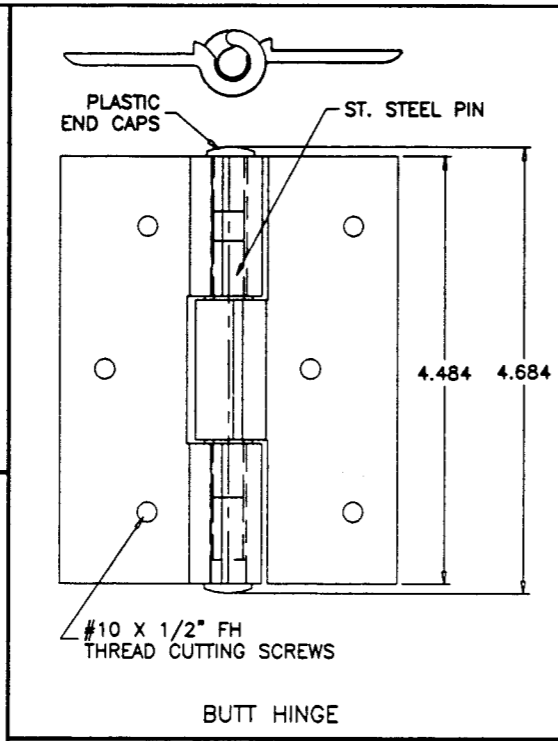
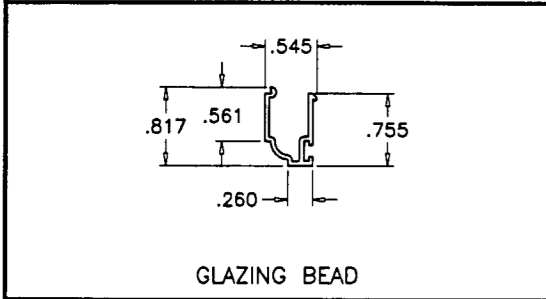
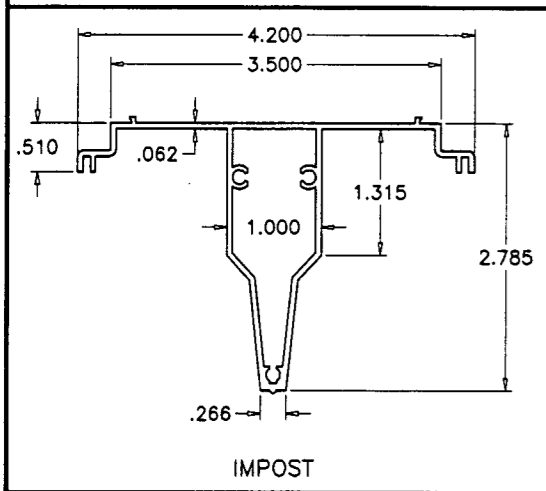
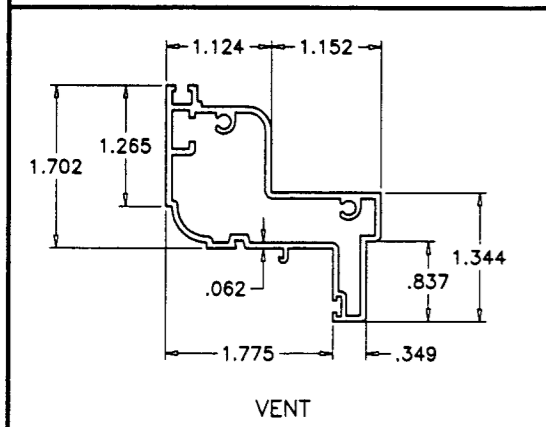
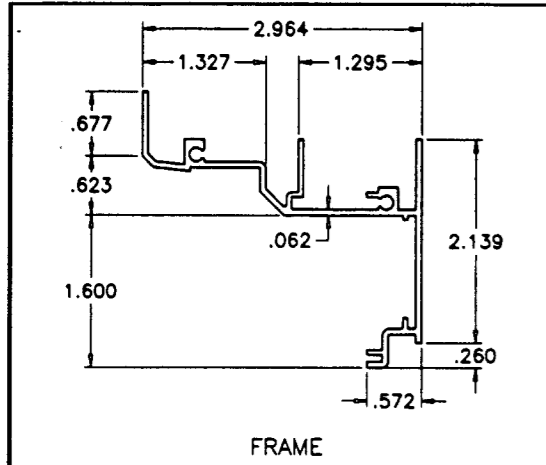
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dr. by: HAMID

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W02-107

sheet 4 of 5



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FLA. PE # 16557
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sheet 5 of 5